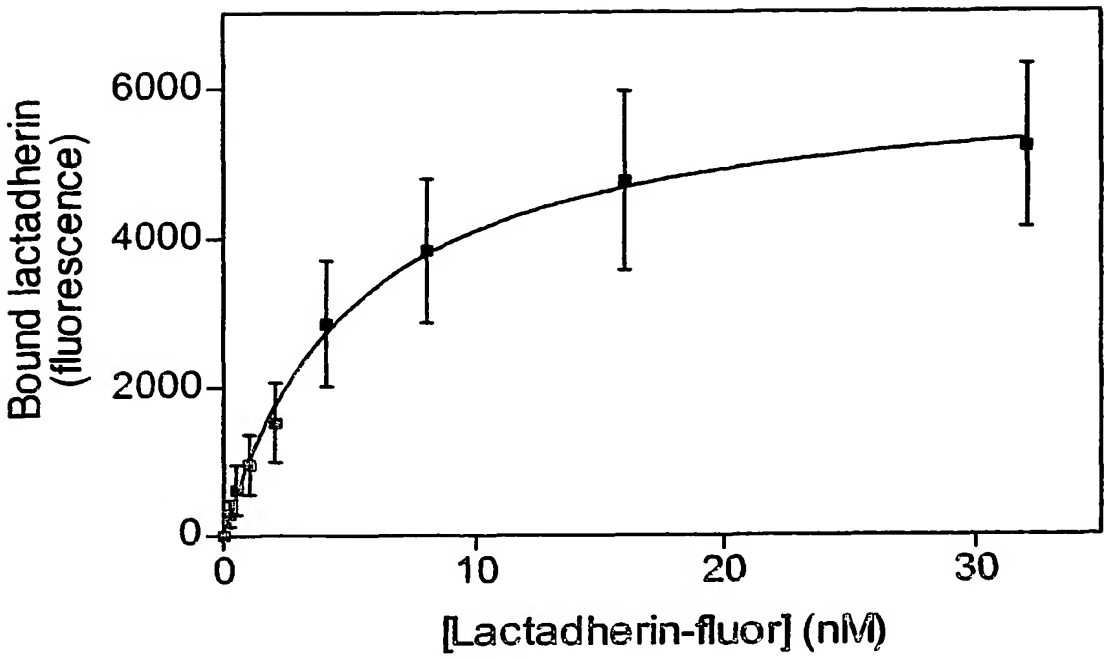
Bound lactadherin
(fluorescence)
6000
4000
2000
0
0
10
20
30
[Lactadherin-fluor] (nM)

Figure 1A

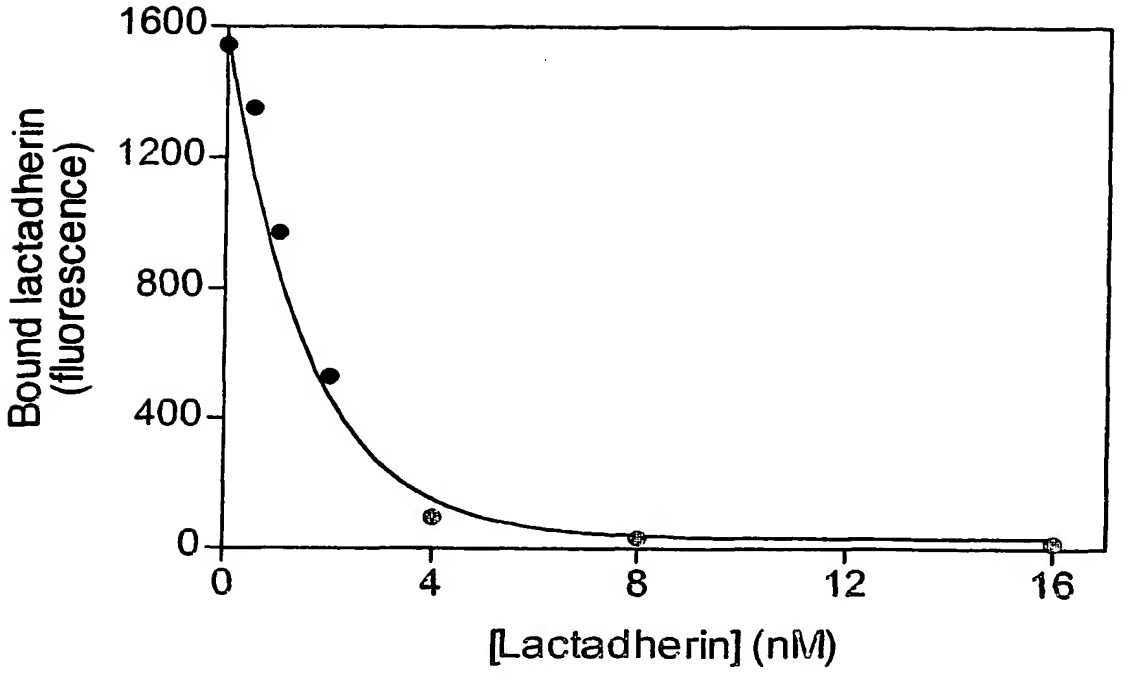
1600
1200
800
400
0
Bound lactadherin (fluorescence)
0
4
8
12
16
[Lactadherin] (nM)

Figure 1B

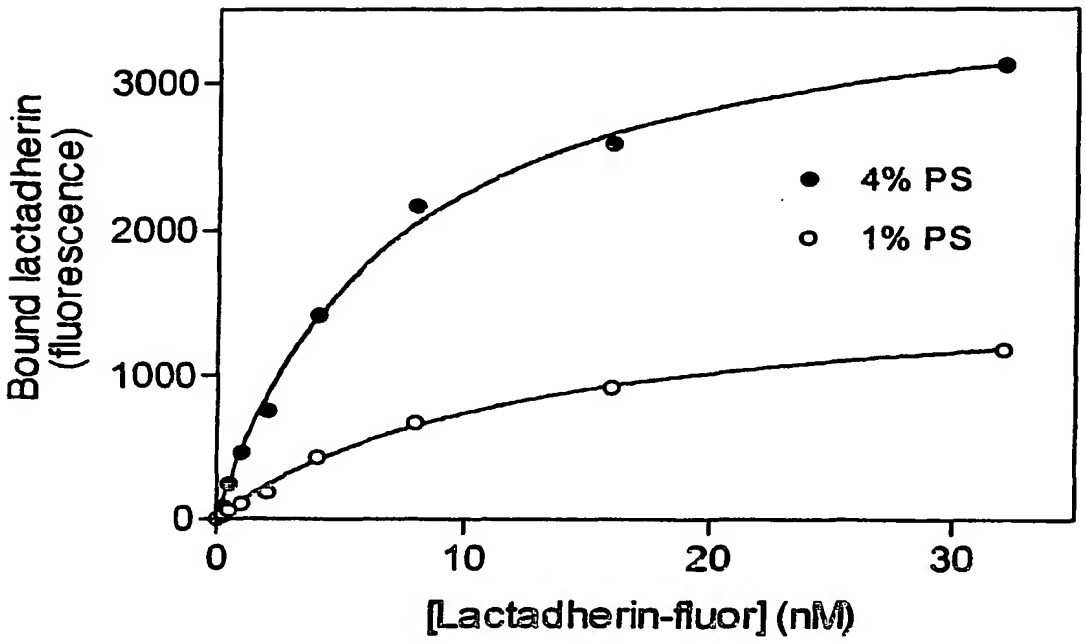
Bound lactadherin
(fluorescence)
3000
2000
1000
0
0
10
20
30
[Lactadherin-fluor] (nM)
4% PS
1% PS

Figure 2

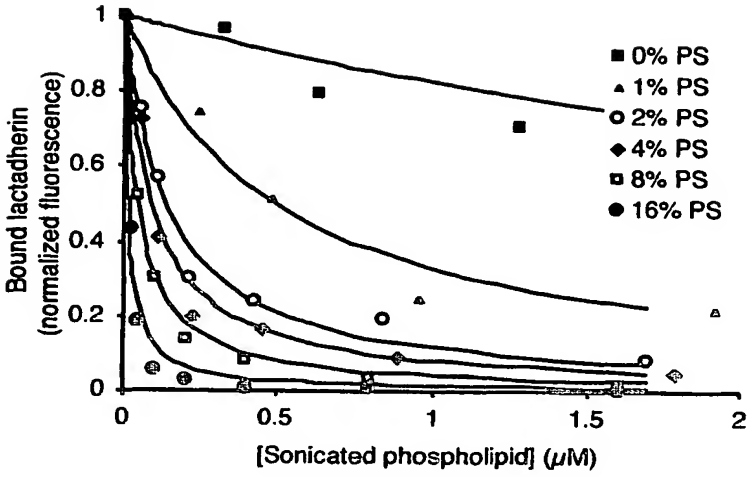
Bound lactadherin
(normalized fluorescence)
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
[Sonicated phospholipid] (μM)
0% PS
1% PS
2% PS
4% PS
8% PS
16% PS

Figure 3A

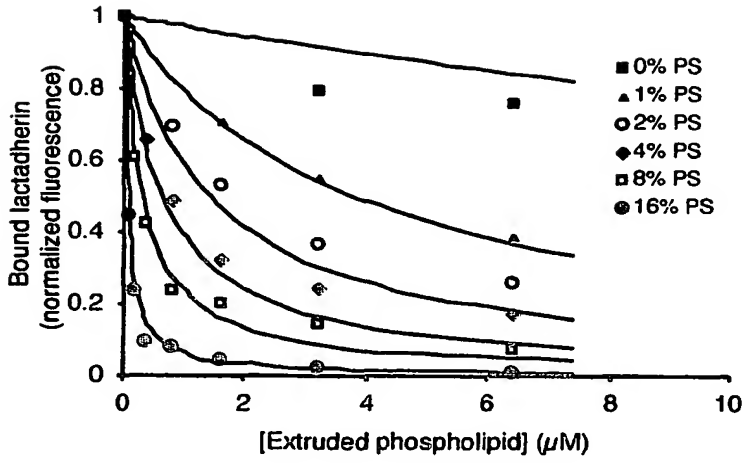
Bound lactadherin (normalized fluorescence)
1
0.8
0.6
0.4
0.2
0
0
2
4
6
8
10
[Extruded phospholipid] (μM)
0% PS
1% PS
2% PS
4% PS
8% PS
16% PS

Figure 3B

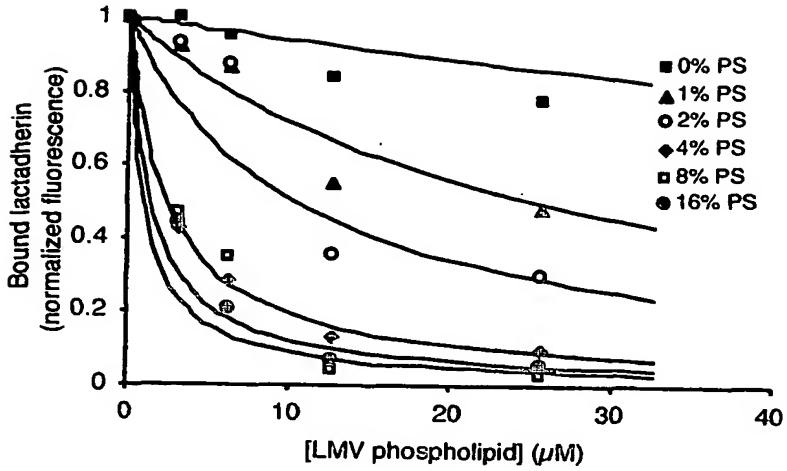
Bound lactadherin
(normalized fluorescence)
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
[LMV phospholipid] (μM)
0% PS
1% PS
2% PS
4% PS
8% PS
16% PS

Figure 3C

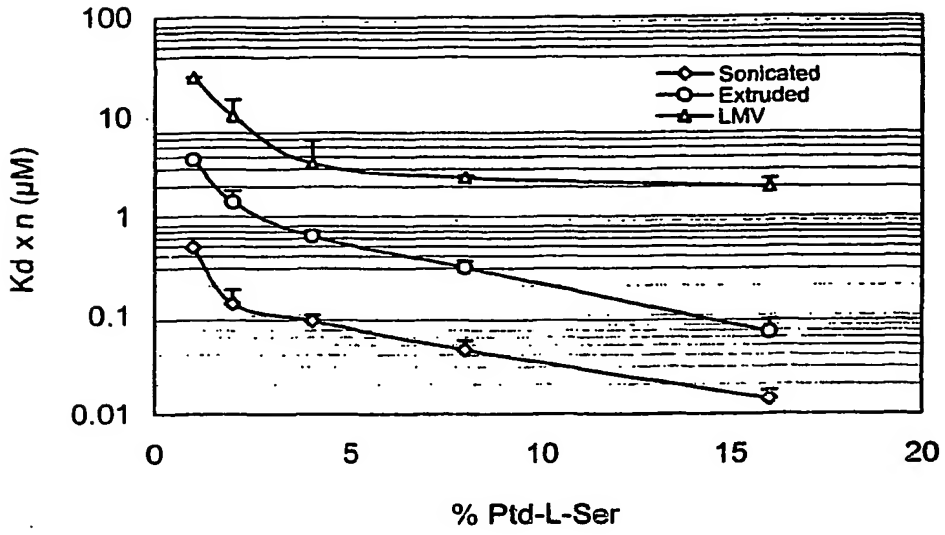
100
10
1
0.1
0.01
Kd x n (μM)
0
5
10
15
20
% Ptd-L-Ser
Sonicated
Extruded
LMV

Figure 3D

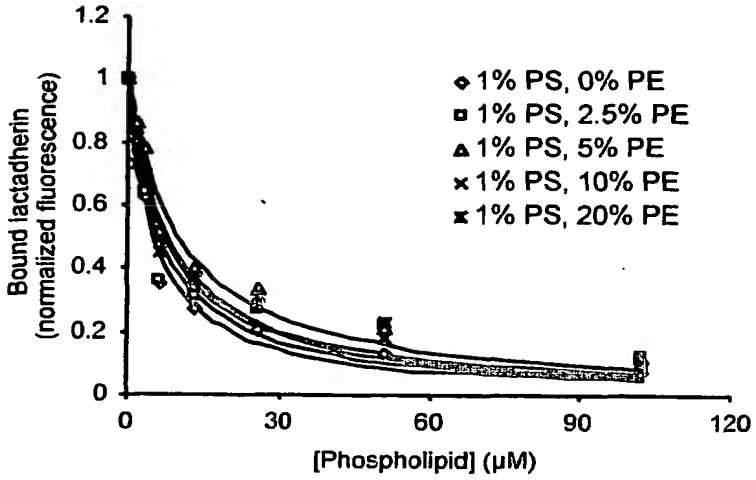
1.2
1
0.8
0.6
0.4
0.2
0
Bound lactadherin (normalized fluorescence)
0
30
60
90
120
[Phospholipid] (μM)
1% PS, 0% PE
1% PS, 2.5% PE
1% PS, 5% PE
1% PS, 10% PE
1% PS, 20% PE

Figure 4A

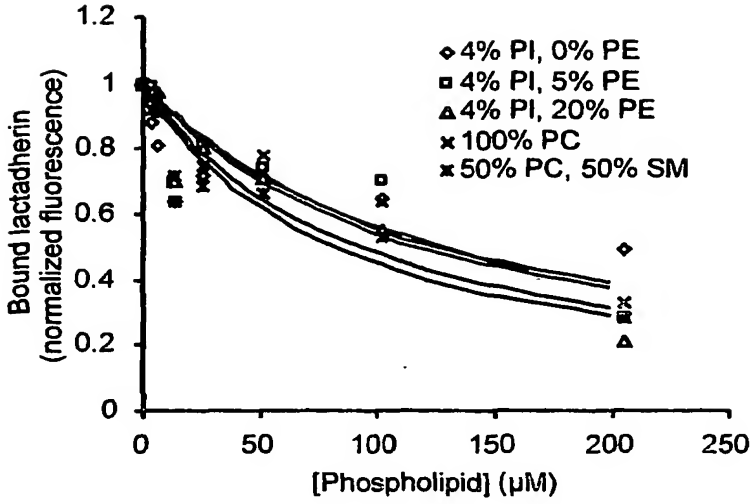
1.2
1
0.8
0.6
0.4
0.2
0
Bound lactadherin (normalized fluorescence)
0
50
100
150
200
250
[Phospholipid] (μM)
4% PI, 0% PE
4% PI, 5% PE
4% PI, 20% PE
100% PC
50% PC, 50% SM

Figure 4B

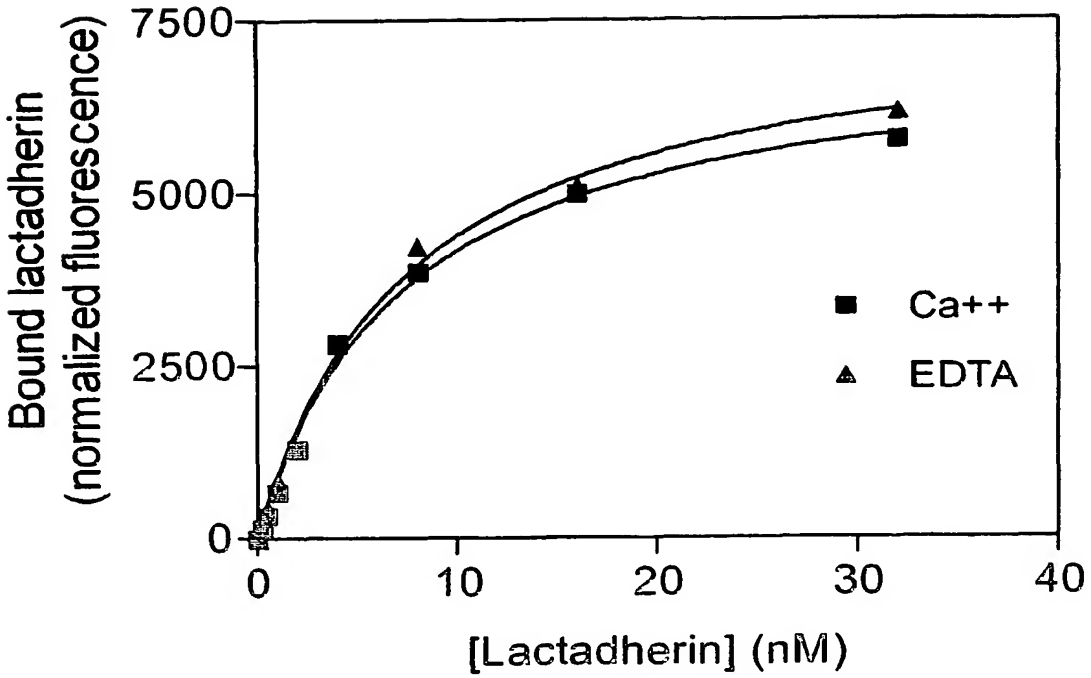
Bound lactadherin
(normalized fluorescence)
7500
5000
2500
0
0
10
20
30
40
[Lactadherin] (nM)
Ca++
EDTA

Figure 4C

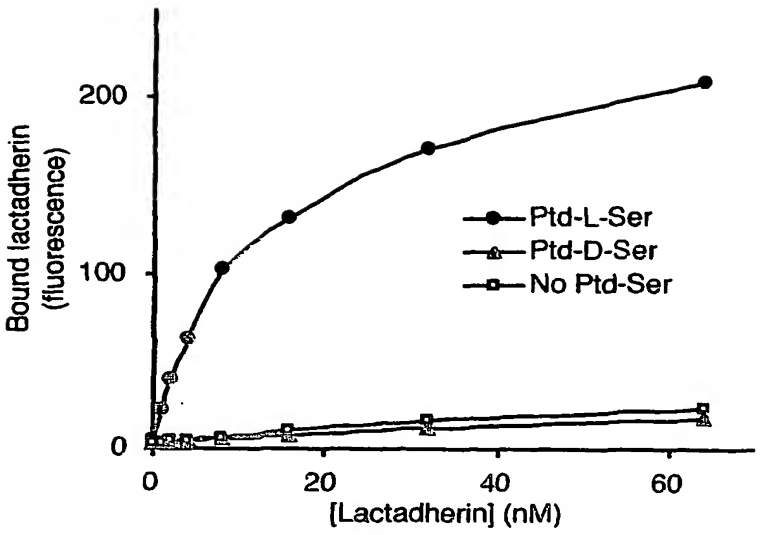
Bound lactadherin (fluorescence)
200
100
0
0
20
40
60
[Lactadherin] (nM)
Ptd-L-Ser
Ptd-D-Ser
No Ptd-Ser

Figure 5A

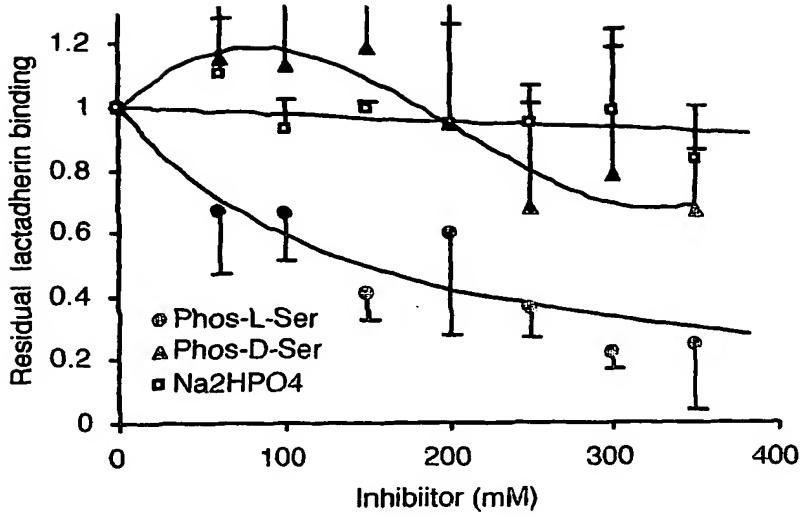
Residual lactadherin binding
1.2
1
0.8
0.6
0.4
0.2
0
Phos-L-Ser
Phos-D-Ser
Na2HPO4
0
100
200
300
400
Inhibiitor (mM)

Figure 5B

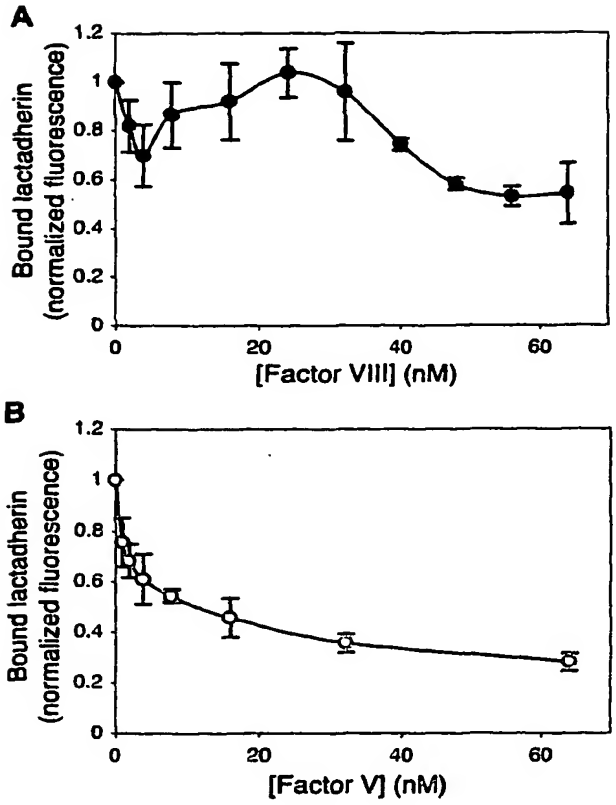
A
Bound lactadherin (normalized fluorescence)
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
[Factor VIII] (nM)
B
Bound lactadherin (normalized fluorescence)
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
[Factor V] (nM)

Figure 6

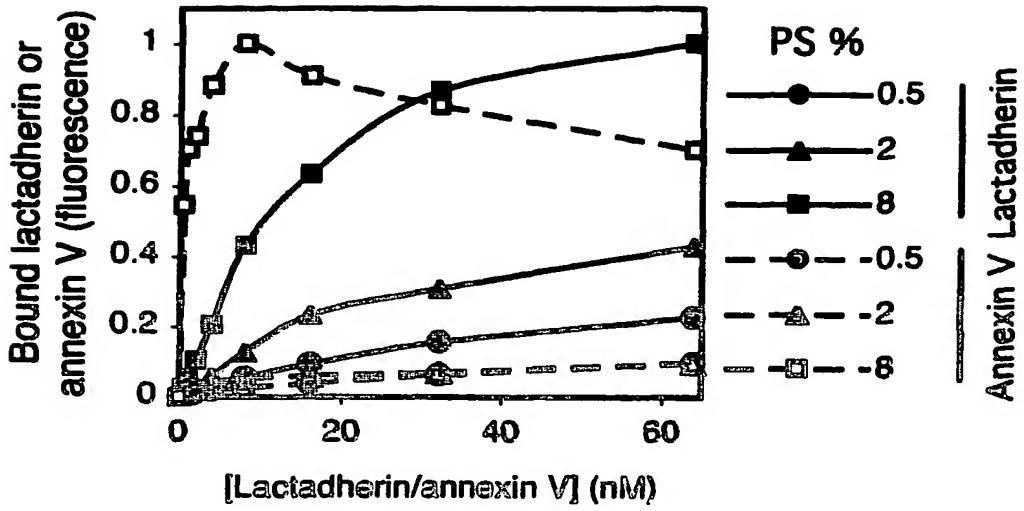
Bound lactadherin or annexin V (fluorescence)
1
0.8
0.6
0.4
0.2
0
0
20
40
60
[Lactadherin/annexin V] (nM)
PS %
0.5
2
8
-0.5
-2
-8
Annexin V Lactadherin

FIGURE 7A

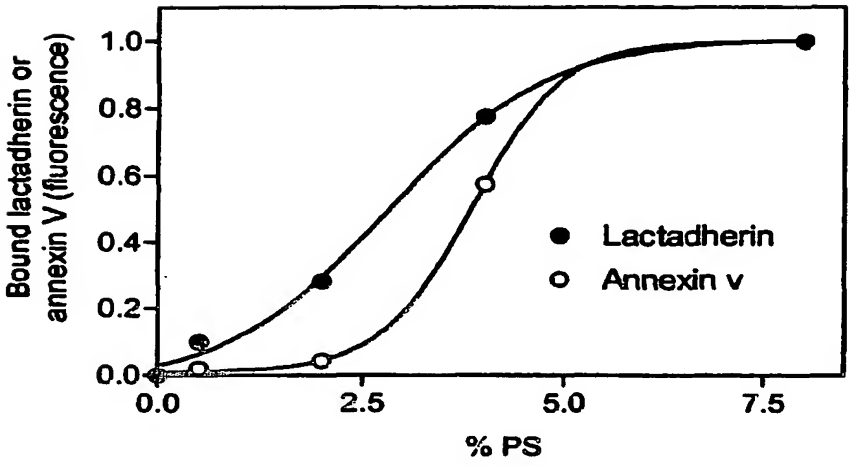
Bound lactadherin or annexin V (fluorescence)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
% PS
Lactadherin
Annexin v

FIGURE 7B

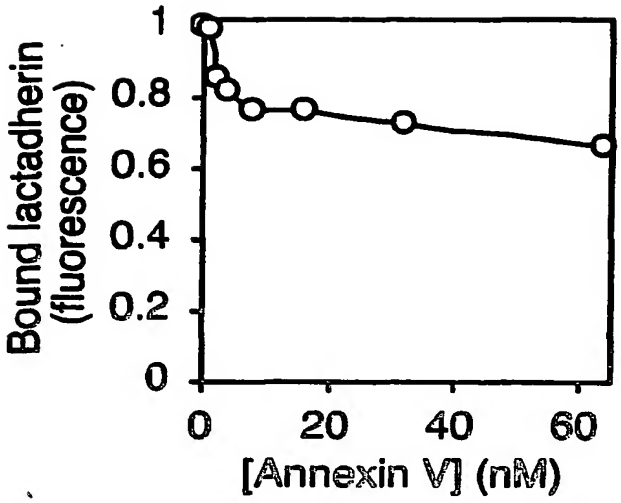
Bound lactadherin
(fluorescence)
1
0.8
0.6
0.4
0.2
0
0
20
40
60
[Annexin V] (nM)

FIGURE 7C

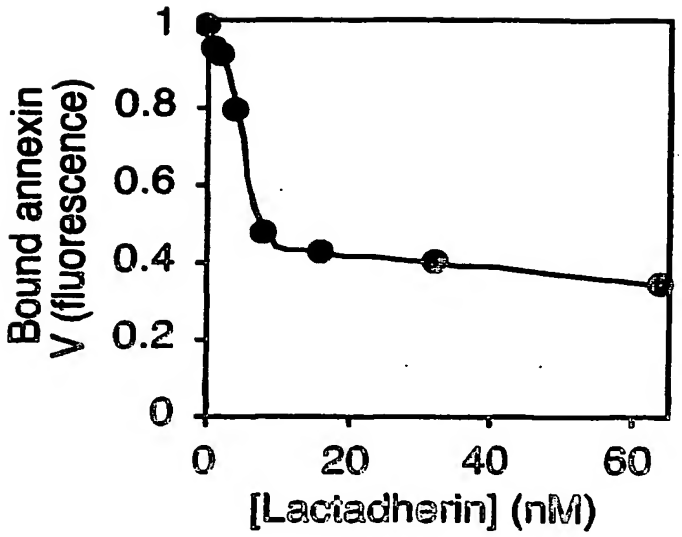
Bound annexin V (fluorescence)
1
0.8
0.6
0.4
0.2
0
0
20
40
60
[Lactadherin] (nM)

FIGURE 7D

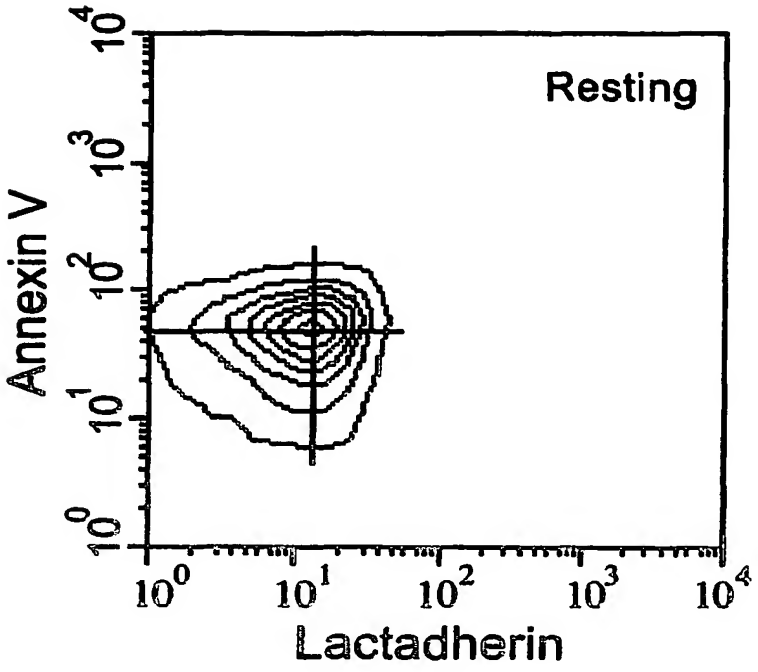

FIGURE 8A

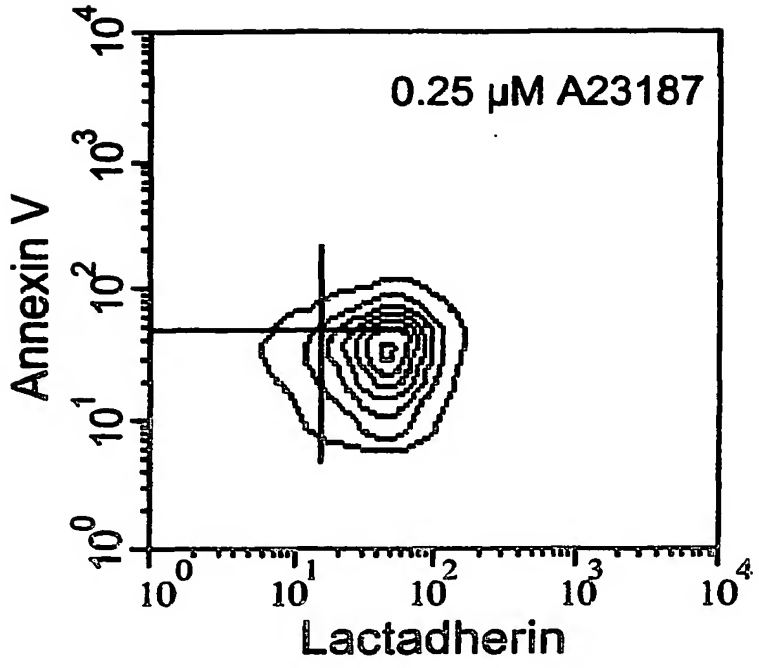

FIGURE 8B

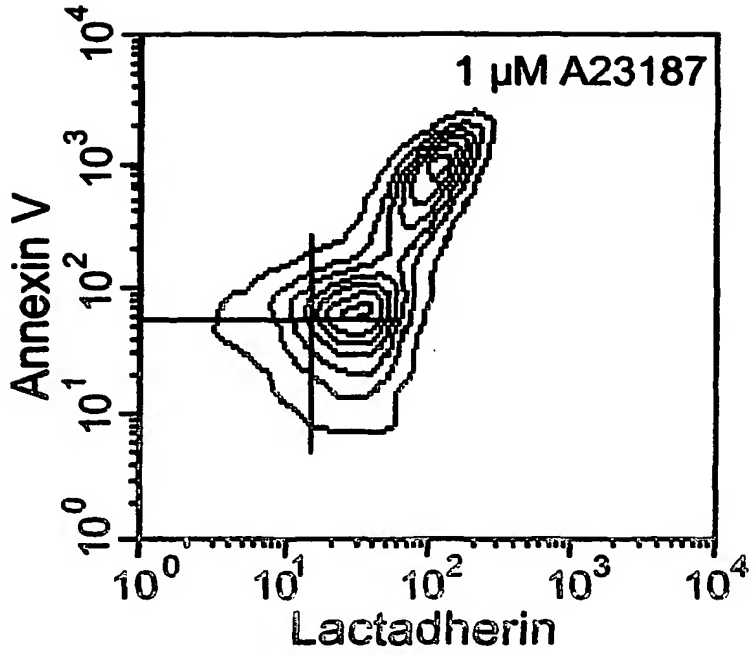

FIGURE 8C

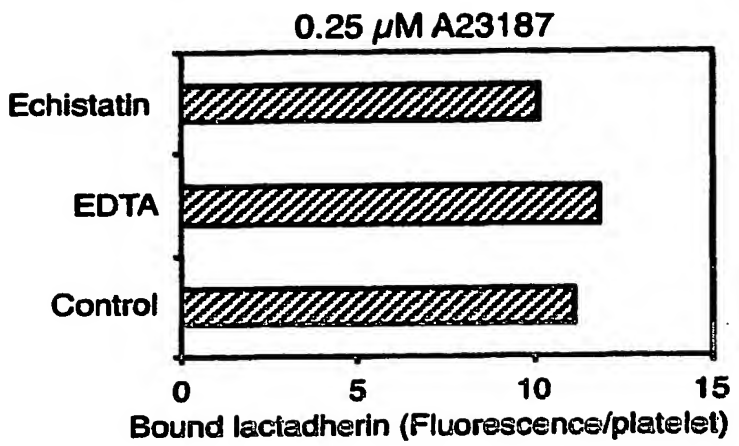
0.25 μM A23187
Echistatin
EDTA
Control
0
5
10
15
Bound lactadherin (Fluorescence/platelet)

FIGURE 9A

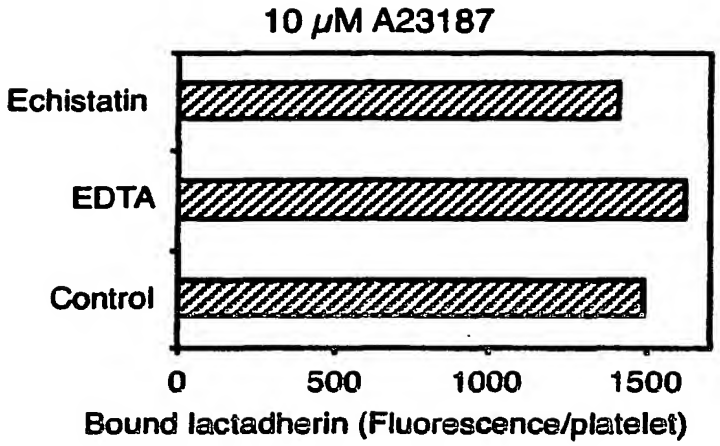
10 μM A23187
Echistatin
EDTA
Control
0
500
1000
1500
Bound lactadherin (Fluorescence/platelet)

FIGURE 9B

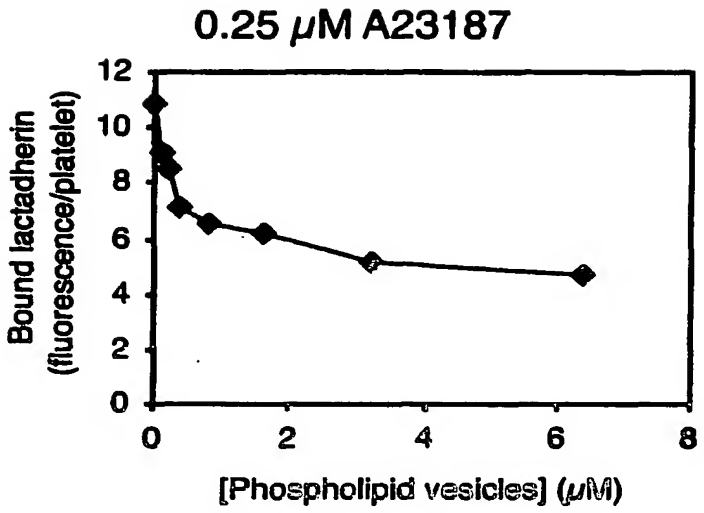
0.25 μM A23187
Bound lactadherin (fluorescence/platelet)
12
10
8
6
4
2
0
0
2
4
6
8
[Phospholipid vesicles] (μM)

FIGURE 9C

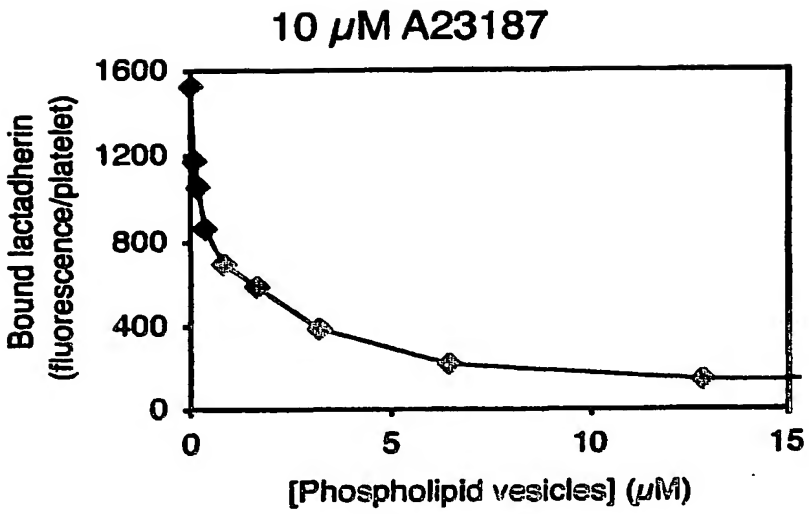
10 μM A23187
Bound lactadherin (fluorescence/platelet)
1600
1200
800
400
0
0
5
10
15
[Phospholipid vesicles] (μM)

FIGURE 9D

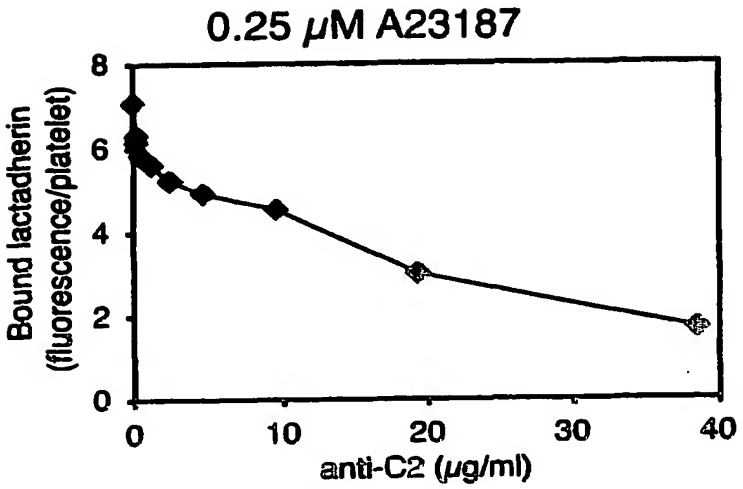
0.25 μM A23187
Bound lactadherin (fluorescence/platelet)
0
2
4
6
8
0
10
20
30
40
anti-C2 (μg/ml)

FIGURE 9E

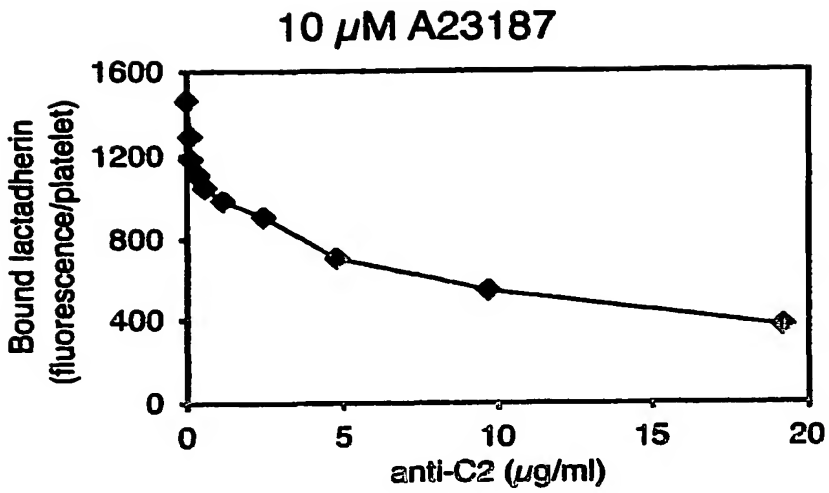
10 μM A23187
Bound lactadherin (fluorescence/platelet)
1600
1200
800
400
0
0
5
10
15
20
anti-C2 (μg/ml)

FIGURE 9F

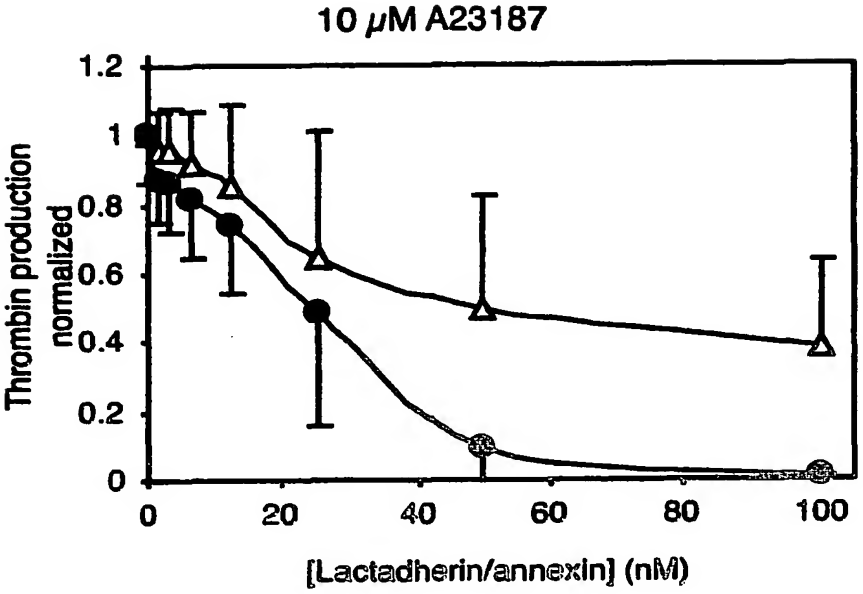
10 μM A23187
Thrombin production normalized
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
[Lactadherin/annexin] (nM)

FIGURE 10A

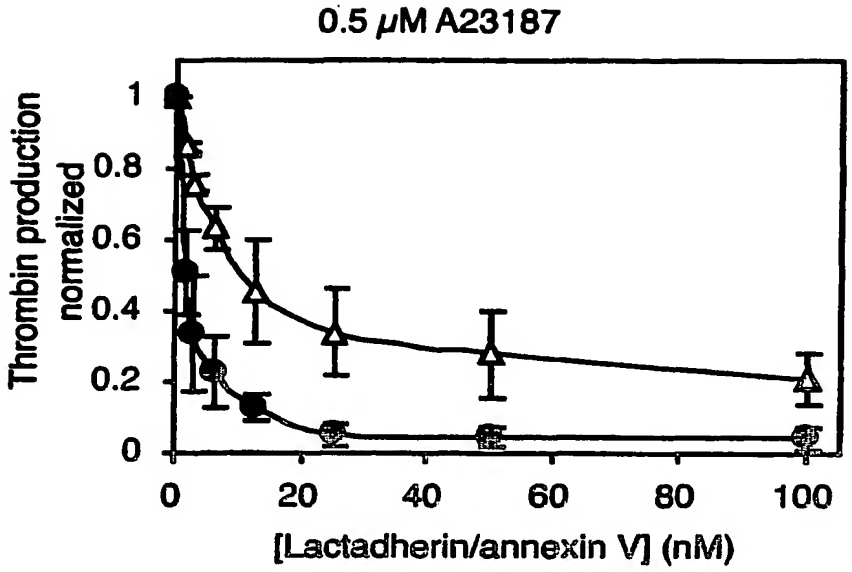
0.5 μM A23187
Thrombin production normalized
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
[Lactadherin/annexin V] (nM)

FIGURE 10B

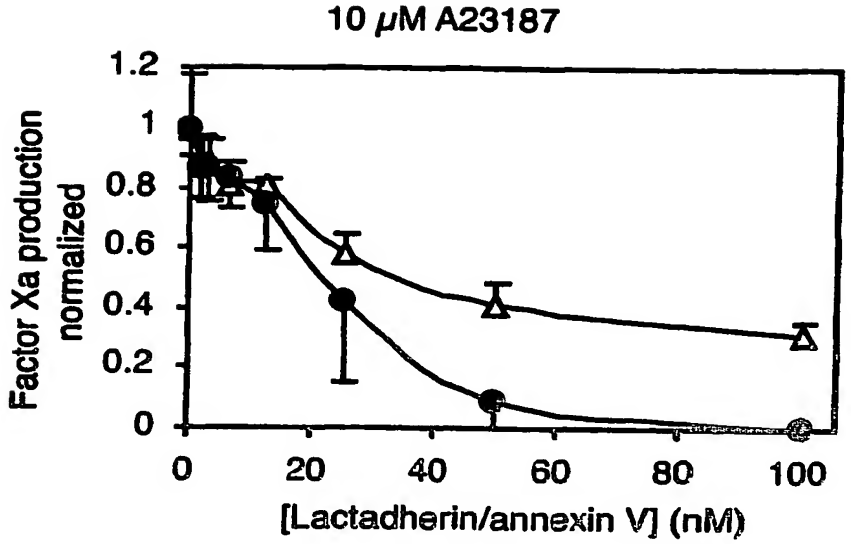
10 μM A23187
Factor Xa production normalized
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
[Lactadherin/annexin V] (nM)

FIGURE 10C

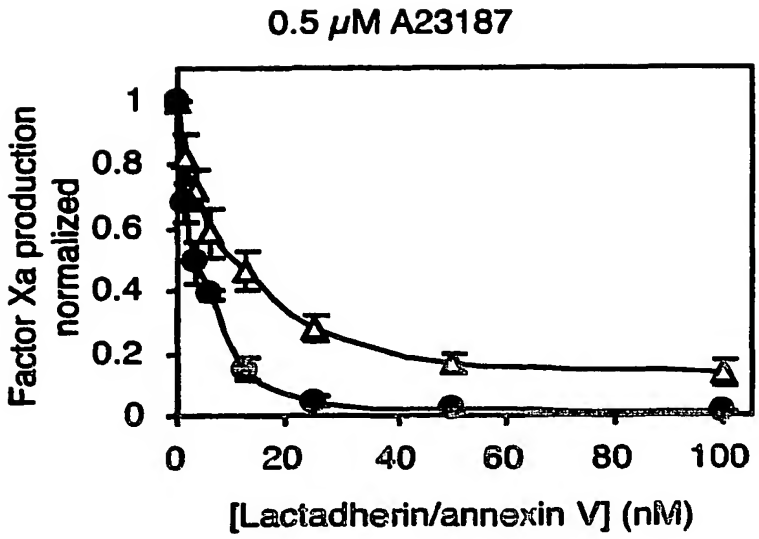
0.5 μM A23187
Factor Xa production normalized
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100
[Lactadherin/annexin V] (nM)

FIGURE 10D

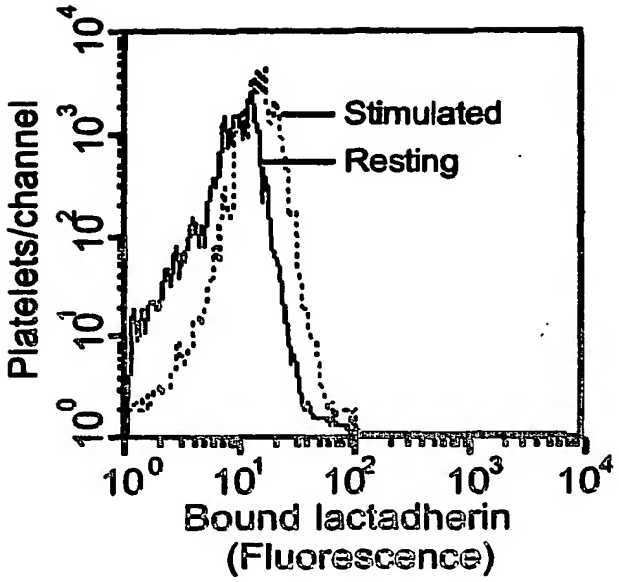
Platelets/channel
10^0
10^1
10^2
10^3
10^4
Stimulated
Resting
10^0
10^1
10^2
10^3
10^4
Bound lactadherin
(Fluorescence)

FIGURE 11A

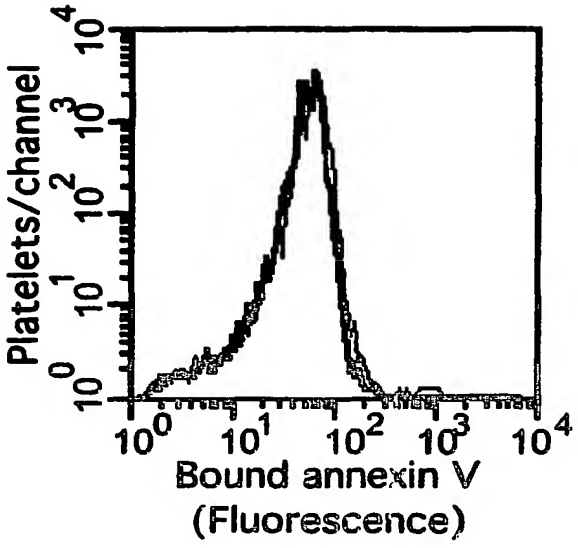
Platelets/channel
10^0
10^1
10^2
10^3
10^4
10^0 10^1 10^2 10^3 10^4
Bound annexin V
(Fluorescence)

FIGURE 11B

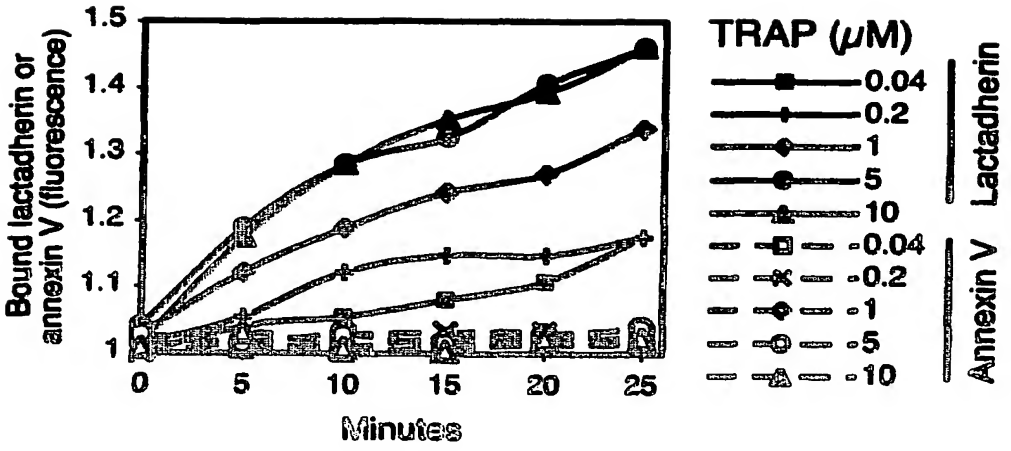
Bound lactadherin or annexin V (fluorescence)
1.5
1.4
1.3
1.2
1.1
1
0
5
10
15
20
25
Minutes
TRAP (μM)
0.04
0.2
1
5
10
0.04
0.2
1
5
10
Lactadherin
Annexin V

FIGURE 11C

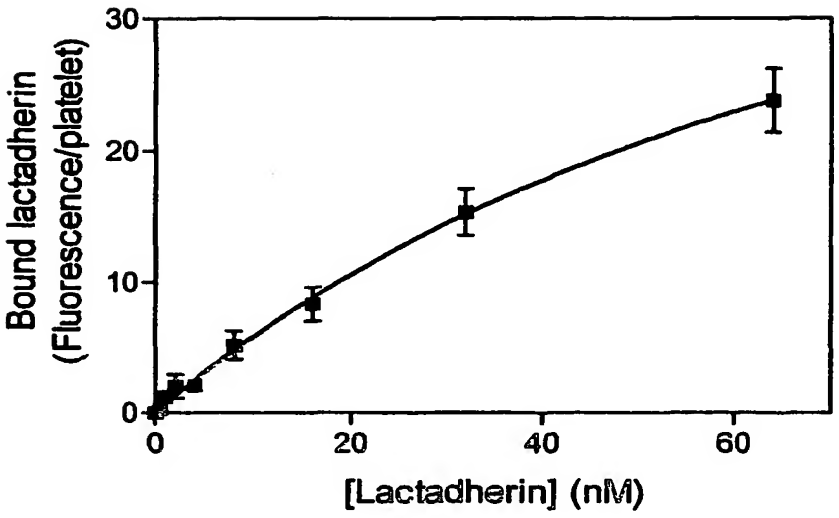
Bound lactadherin
(Fluorescence/platelet)
30
20
10
0
0
20
40
60
[Lactadherin] (nM)

FIGURE 12A

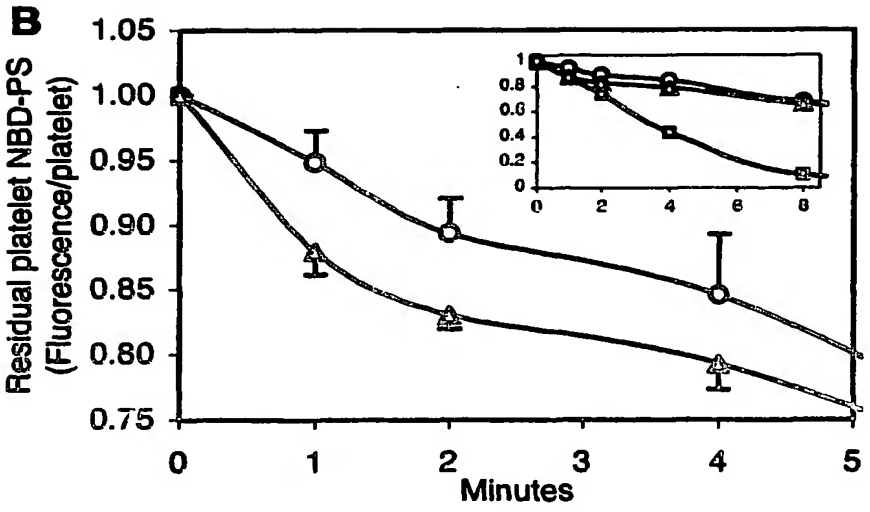
B
Residual platelet NBD-PS
(Fluorescence/platelet)
1.05
1.00
0.95
0.90
0.85
0.80
0.75
0
1
2
3
4
5
Minutes
1
0.8
0.6
0.4
0.2
0
0
2
4
6
8

FIGURE 12B

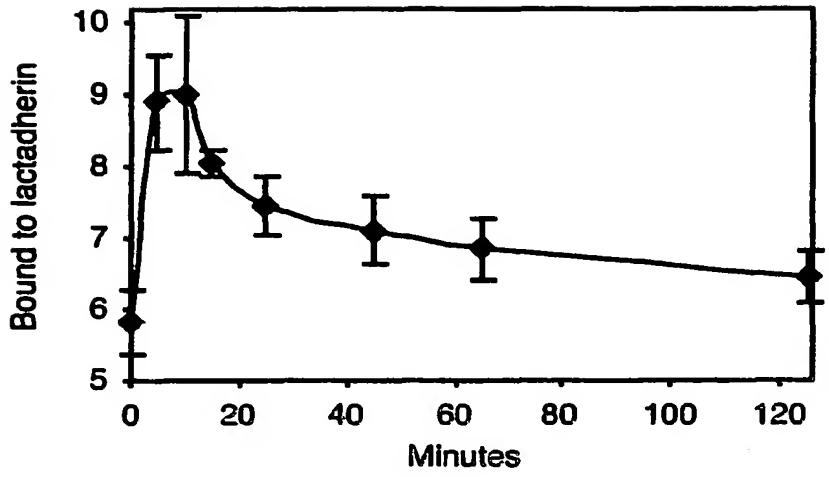

FIGURE 12C

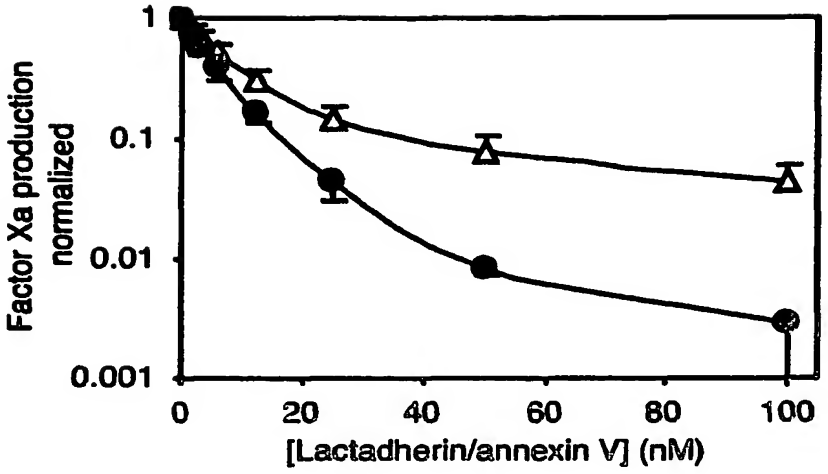
Factor Xa production normalized
1
0.1
0.01
0.001
0
20
40
60
80
100
[Lactadherin/annexin V] (nM)

FIGURE 13A

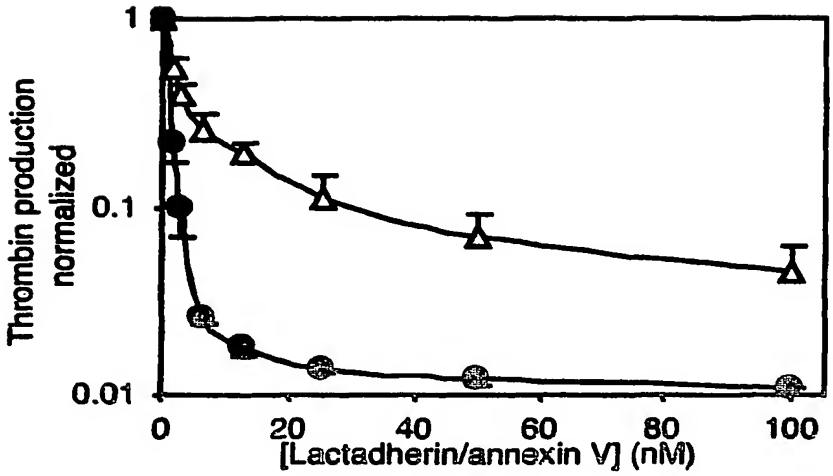
Thrombin production normalized
1
0.1
0.01
0
20
40
60
80
100
[Lactadherin/annexin V] (nM)

FIGURE 13B